

Notice of Allowability

Application No.

10/064,846

Examiner

Brij B. Shrivastav

Applicant(s)

GRIFFITHS ET AL.

Art Unit

2859

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to March 17, 2005.
2. ☒ The allowed claim(s) is/are 1-48.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 3/17/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Claims 1-11 are allowed, as the prior art of record does not teach or suggest a system of communicating for an injection system for use within a magnetic resonance imaging (MRI) suite, said MRI suite having scanner room, a control room and a barrier separating said scanner and control rooms, wherein the first and the second antennas are interconnected through the barrier to form an antenna coupling thus enabling the controller and the injection control unit to communicate there-through across the barrier using a desired range of radio frequencies outside a range of, and without adversely affecting, operation of the MRI suit, in combination with the remaining limitations of the claims.

Claims 12-14 are allowed, as the prior art of record does not teach or suggest an antenna coupling for communication across a barrier to radio frequencies, wherein the first and the second antennas being interconnected through the barrier to form an antenna coupling and thereby enable the first and the second transceivers to communicate there-through across the barrier over a desired range of radio frequencies, in combination with the remaining limitations of the claims.

Claim 25 is allowed, as the as the prior art of record does not teach or suggest or suggest an antenna coupling for communication across a barrier to

radio frequencies, including a filter connected between the first and the second antennas to prevent radio frequencies outside of the desired range from being transmitted across the barrier, in combination with the remaining limitations of the claim.

Claims 26-29 are allowed, as the prior art of record does not teach or suggest a system of communicating for use within a magnetic resonance imaging (MRI) suite, said MRI suite having scanner room, a control room and a barrier separating said scanner and control rooms, wherein the first and the second antennas are interconnected through the barrier to form an antenna coupling thus enabling the first and the second pieces of equipment to communicate there-through across the barrier using a desired range of radio frequencies outside a range of, and without adversely affecting, operation of the MRI suit, in combination with the remaining limitations of the claims.

Claims 30-32 are allowed, as the prior art of record does not teach or suggest a method of communication across an isolation barrier separating a scanner room and a control room of a magnetic resonance imaging (MRI) suit, said method including steps of configuring the first and the second transceivers to use a desired range of radio frequencies outside a range of operation of the MRI suit in communication across the isolation barrier via the first and the second antennas, and thus avoiding adverse affects upon an operation of a scanner in the MRI suit, in combination with the remaining limitations of the claims.

Claims 33-45 are allowed, as the prior art of record does not teach a system for communication across an isolation barrier separating a scanner room and a control room of a magnetic resonance imaging (MRI) suit, said MRI suit for accommodating a plurality of bifurcated equipment systems, each of said bifurcated equipment systems having an interior portion for placement within said scanner room and an exterior portion for placement within said control room, wherein each of the exterior transceivers and the interior transceiver corresponding thereto forming a transceiver pair for one of the bifurcated equipment systems through which the interior and the exterior portions thereof communicate through the antenna coupling across the isolation barrier using a desired range of frequencies assigned thereto outside a range of, and without affecting, operation of the MRI suit, in combination with the remaining limitations of the claims.

Claims 46-48 are allowed, as the prior art of record does not teach or suggest an antenna coupling for communicating across a barrier to radio frequencies, wherein each of the interior antennas and the exterior antenna corresponding thereto being interconnected through the barrier to form an antenna pair for enabling the transceiver pair(s) corresponding thereto communicate there-through across the barrier over a desired range of the radio frequencies, in combination with the remaining limitations of the claim.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should

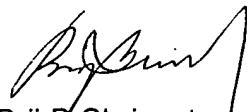
preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brij B. Shrivastav whose telephone number is 571-272-2250. The examiner can normally be reached on 7 AM to 4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. F. Gutierrez can be reached on 571-272-2245. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

February 19, 2007


Brij B. Shrivastav
Primary Examiner
Art Unit 2859